

FUNDEPAG SELECTION PROCESS No. 05/2021

NOTICE OF SELECTION PROCESS FOR POST-DOCTORAL FELLOWSHIP FOR BIOTECHNOLOGICAL PLATFORM OF HEALTHY INGREDIENTS (PBIS)

PD Fellowship “Sweet proteins”

Duration 24 months

Field of knowledge: Molecular biology of filamentous fungi; Biochemistry; Enzymology

FAPESP process number: 2020/07015-7

Project title: DEVELOPMENT OF A CELL-FACTORY FOR SWEET PROTEINS PRODUCTION AND ITS PROMOTION IN HUMAN HEALTH

Number of vacancies: 1

Main researcher: Prof. Fernando Segato

Unit/Institution: Lorena School of Engineering/EEL; University of São Paulo/USP

Deadline for registration: November 30

Posted in: October, 27

Location: Estrada Municipal do Campinho, s/n - Pte. Nova, Lorena - SP, 12602-810

Registration email: pbis.fa@ital.sp.gov.br, cc. segato@usp.br

• Summary

The Agriculture Research & Development Foundation makes public the opening of applications for a post-doctoral fellowship associated to the Center for Research Targeted to Problems in State of São Paulo (NPOP), Biotechnological Platform for Healthy Ingredients (PBIS) – supported by FAPESP in partnership with a consortium of industries and coordinated by the Institute of Food Technology (ITAL/SAA, Campinas-SP); aiming to modify a filamentous fungus strain for heterologous expression and secretion of sweet proteins. In addition, the project will involve the optimization and scale-up of protein production.

The 24-month PD project will be developed under the FAPESP NPOP-PBIS project, at Synthetic and Molecular Biology Laboratory of Department of Biotechnology of Lorena School of Engineering from University of São Paulo (Lorena/SP) under the coordination of Prof. Fernando Segato.

Summary of the program and projects can be found on https://ital.agricultura.sp.gov.br/emkt/download/NPOP_PBIS.pdf

1. Summary of position and experience required

The candidate must have a PhD degree with experience in biotechnology related (molecular biology, biochemistry, microbiology, or correlated areas, preferably with experience in cloning, heterologous expression and biochemical characterization of enzymes). The candidate must develop a project related to the proposed theme, assist in the guidance and co-orientation of students, collaborate with other NPOP-BIS

(FAPESP) researchers in the development of other projects, assist in the writing and review of scientific papers of the research group and work on actions aimed at transferring technology and knowledge.

2. Requirements and skills required for the candidate:

- Have completed a doctorate, and obtained the title of doctor in the last 7 years;
- Ability to work independently and in collaboration with a multidisciplinary research group;
- Knowledge of the English language for reading, scientific writing and conversation;
- Scientific production in indexed journals;
- Experience abroad is an advantage

Experience in:

- cloning, heterologous expression and biochemical characterization of enzymes.

3. Documents, deadlines and form of submission:

The documents listed below must be sent electronically (**in a single PDF**) to the evaluation committee, to emails pbis.fa@ital.sp.gov.br , in copy to segato@usp.br with the title "**Post Doctorate in NPOP-BIS focused in enzymatic production of prebiotics**":

- a) Curriculum summary in the FAPESP model (maximum of 4 pages), according to the recommendations available at <http://www.fapesp.br/5266>.
- b) Motivation letter showing your adherence to the prerequisites and skills required in item 2 (maximum of 500 words).
- c) Doctoral degree

The vacancy is open to Brazilians and foreigners candidates. The assessment will be based on the curriculum and proof of the required experiences.

Any questions or clarifications about the notice, get in touch through the aforementioned emails.

The deadline for applications is **November 30, 2021**. The final result of the selection process will be communicated to candidates by email.

FUNDEPAG Scholarship in the amount of **R\$ 7,373.10/month**.

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